

















U.S.S. ADM. W.L. CAPPS

FUEL OIL OR SALT WATER										FRESH WATER									
NAVY DEPT COMPT'NS	LOCATION OF C.G. (FT)		COMPARTMENT		FUEL OIL		S.W. TONS @ 55°	NAVY DEPT COMPT'NS	COMPARTMENT		GALLONS	TONS @ 56°	LOCATION OF C.G. (FT)						
	ABOVE B.L.	FROM B.			BARRELS	TONS								ABOVE B.L.	FROM B.				
A-1-W	15.5	273.7 F	FORE PEAK TANK	STEM TO FR. 15					DEEP TANK (WASH WATER)	*10	FRS. 60-69	54754	203.33	11.0	142.1 F				
A-901-F	2.8	227.3 F	DBL. BOTTOM TANK *1	FRS. 15-42	626.9	94.35	103.69	A-609-W	"	"	"	54754	203.33	11.0	117.4 F				
A-902-F	2.8	177.1 F	"	"	555.7	83.81	91.91	A-608-W	"	"	"	56122	208.42	11.4	125.0 F				
A-903-F	2.8	177.1 F	"	"	555.7	83.81	91.91	A-607-W	"	"	"	56122	208.42	11.4	125.0 F				
A-906-F	2.5	129.7 F	"	"	1020.5	153.95	168.83	B-609-W	"	"	(POTABLE WATER) *13P.	112	120						
A-904-F	6.4	128.0 F	"	"	625.4	94.31	103.43	B-609-W	"	"	*13S.	112	120						
A-905-F	6.4	128.0 F	"	"	625.4	94.31	103.43	B-602-W	"	"	*16P.	120	128						
A-907-F	2.5	77.7 F	"	"	1120.0	168.90	165.23	B-601-W	"	"	*16S.	120	128						
A-908-F	2.9	75.4 F	"	"	665.0	100.29	109.98	B-616-W	"	"	*19P.	158	166						
A-909-F	2.9	75.4 F	"	"	665.0	100.29	109.98	B-617-W	"	"	*19S.	158	166						
B-903-F	2.5	30.8 F	"	"	798.6	120.44	132.09	B-618-W	"	"	*20P.	166	180						
B-902-F	2.8	30.5 F	"	"	599.1	90.35	99.09	B-618-W	"	"	*20S.	166	180						
B-901-F	2.8	30.5 F	"	"	599.1	90.35	99.09	B-619-W	"	"	"	"	"						
B-906-F	2.5	10.6 A	"	"	901.6	135.97	149.11				(WASH WATER) TOTAL	359940	1336.68						
B-904-F	2.8	10.3 A	"	"	719.0	108.43	118.92				(POTABLE WATER) TOTAL	104392	387.68						
B-905-F	2.8	10.3 A	"	"	719.0	108.43	118.92												
B-604-F	14.1	0.4 F	F.O. SETTLING TANK	*14P. FRS. 112-120	670.5	101.11													
B-605-F	14.1	0.4 F	"	"	670.5	101.11													
B-612-F	14.1	21.4 A	"	"	670.5	101.11													
B-611-F	14.1	21.4 A	"	"	670.5	101.11													
B-608-F	14.0	0.5 F	F.O. DEEP TANK	*15P. (OVERFLOW) 112-120	714.7	107.78													
B-607-F	14.1	0.5 F	"	"	1076.4	161.97													
B-614-F	14.1	21.5 A	"	"	1074.0	161.97													
B-613-F	14.1	21.5 A	"	"	1074.0	161.97													
B-606-F	14.0	0.5 F	DIESEL OIL TANK	PORT FRS. 112-120	337.8	47.85													
B-907-F	2.5	51.8 A	DBL. BOTTOM TANK	*7E 128-142	799.1	120.52	132.17												
B-908-F	2.9	51.0 A	"	"	564.4	85.11	93.34												
B-909-F	2.9	51.0 A	"	"	564.4	85.11	93.34												
B-910-F	2.5	92.9 A	"	"	912.6	137.63	150.94												
B-912-F	3.0	90.1 A	"	"	415.0	62.58	68.63												
B-911-F	3.0	90.1 A	"	"	415.0	62.58	68.63												
B-914-F	3.2	132.4 A	"	"	488.0	73.60	83.71												
B-913-F	3.1	132.4 A	"	"	486.8	73.42	83.52												
C-903-F	9.7	166.9 A	DEEP TANK *21	174-182	1062.1	160.17	175.66												
C-904-F	11.3	205.3 A	"	"	1995.7	294.94	323.46												
C-905-F	12.7	231.2 A	"	"	1021.5	154.07	168.94												
C-1-W	23.8	268.2 A	AFTER PEAK TANK	213 TO STERN			112.40												
			(EXCL. OF DIESEL OIL TANK) TOTAL		26102.0	3936.41	3522.15												
SHIPS COLD STORAGE										SHIPS COLD STORAGE									
COMPARTMENT										COMPARTMENT									
										INSIDE OF BATTERY COILS, GRATINGS, LOCATION OF C.G. (FT)									

### DIMENSIONS & DATA

LENGTH OVERALL	608'-11"
LENGTH ON 29'-0" D.W.L.	590'-0"
LENGTH BET. PERFS	573'-0"
BREADTH MOLDED	75'-6"
BREADTH EXTREME	76'-5"
DEPTH MOLDED TO PROMENADE DECK (AT SIDE)	52'-6"
DEPTH MOLDED TO "A" DECK	43'-6"
DEPTH MOLDED TO "B" DECK	34'-6"
DEPTH MOLDED TO "C" DECK	26'-0"
MEAN DRAFT TO SUBDIVISION W.L.	7'-1 1/2"
DISPLACEMENT TO SUBDIVISION W.L. (S.W.)	1727 TONS
GROSS TONNAGE - U.S.	15,936.60
NET TONNAGE - U.S.	9,340.00
GROSS TONNAGE - PANAMA	
NET TONNAGE - PANAMA	
GROSS TONNAGE - SUEZ	
NET TONNAGE - SUEZ	

HULL No	NAME	OFFICIAL NO.	SIGNAL LETTERS	RADIO CALL
9501	W. S. BENSON			
9502	W. L. CAPP5			
9503	R. E. COONTZ			
9504	E. W. EBERLE			
9505	C. F. HUGHES			
9506	H. T. MAYO			
9507	HUGH RODMAN			
9508	W. S. SIMS			
9509	D. W. TAYLOR			
9510	F. B. UPHAM			

OIL TANK CAPACITIES ARE FOR 97% FULL TANKS.  
WATER TANK CAPACITIES ARE FOR 100% FULL TANKS.  
FIGURES LOCATING CENTERS OF GRAVITY ARE TO CG2 OF MOLDED VOLUME.

**FRESH WATER**

DRY CARGO

COMPARTMENT				GRAIN	BALE	LOCATION OF C.G. (FT)	
No.	HOLD	PBL. BOT. TO C DK.	FRS.	CU. FT.	CU. FT.	ABOVE B.	FROM B.
			18 - 37	13 007	9920	17.0	237.1 F.
"	2	" " " " " "	42 - 60	42325	36733	15.8	177.4 F.
"	5	" " " " " "	142 - 158	65394	59696	15.8	92.7 A.
TOTAL				12 0726	106349		

SHIPS COLD STORAGE

COMPARTMENT				INSIDE OF BATTERY COILS, GRATINGS, ETC.	LOCATION OF C.G. (FT.) ABOVE D.L. FROM IN
FRUIT & VEGETABLES	HOLD	PORT	FRS. 78 - 91	5896	12.6 85.4 F.
"	"	STBD	" 78 - 93	4233	12.5 83.1 F.
DAIRY	D' DECK	"	" 78 - 87	2811	21.3 92.3 F.
MEAT & POULTRY	"	PORT	" 78 - 91	4439	21.4 84.1 F.
FISH	"	"	" 78 - 83	857	21.3 97.8 F.
THAWING ROOM	"	"	" 83 - 87	783	21.3 85.8 F.
MILK	"	STBD	" 87 - 98	2869	21.3 68.1 F.
ICE CREAM	"	"	" 91 - 98	990	21.3 59.6 F.
MEAT & POULTRY	"	PORT	" 91 - 98	3859	21.3 60.1 F.
TOTAL				26737	

SHIPS STORES

COMPARTMENT				BALE CU. FT.	MOLDED CU. FT.	LOCATION OF CG (FY)
						ABOVE BL FROM XL
DRY STORES	D DECK	FRS. 60 - 78	6523	21.5	128.7 F.	
GENERAL STORES	"	166 - 180	2912	22.6	155.8 A	
SHIPS STORES	"	180 - 195	4040	22.2	194.9 A	
PAINT & INFLAMMABLE LIQUID STORAGE	D DECK	FRS. 195 - 201	460	22.1	226.7 A	
GALLEY STORES	C DECK	FRS. 112 - 125	1940	30.3	64.4 A	
"	B	"	251	40.8	65.1 A	
"	"	"	137 - 142			
POST EXCHANGE STORES	PROM. DX.	"	125 - 128	290	56.7	285.4 A
5" AMMUNITION	HOLD	"	34 - 42		489.2	213.2 F.
"	"	"	201 - 213		2370	243.3 A
20MM & 1.1" AMMN	HOLD	STBD	93 - 98		4237	57.1 F.
SMALL ARMS AMMN	"	"	37 - 42		1908	210.4 F.
ORDNANCE STORES	"	PORT	37 - 42		1632	210.1 F.
TOTAL				16306	15039	

\* ESCAPE TRUNKS & AMMN HOISTS DEDUCTED

DATA

BOILERS - COMBUSTION ENGINEERING CO. (DESIGN) 675\* PRESS.  
MAIN TURBO GENERATORS - GENERAL ELECTRIC - (2) TOTAL 18000 S.H.P.  
AUX. ELEC. GENERATORS - GENERAL ELECTRIC - (500KW - 440A.C.) & (200KW - 240V.C.)  
PROPELLERS - (2) SOLID, 3 BLADES, 18' 2" DIA, 19.44 FTCH  
SPEED - DESIGNED 20.8 KNOTS  
REFRIGERATING PLANT - FREON-FRICK CAPACITY 26.8 TONS  
WINCHES - AM. HOIST & DERRICK CO. (8) SINGLE-SPEED, (2) TWO-SPEED - ELECTRIC  
WINDLASS - LIDGERWOOD ELECTRIC  
STEERING GEAR - LIDGERWOOD ELECTRO-HYDRAULIC  
WARPING CAPSTANS - LIDGERWOOD (2) ELECTRIC  
BOOMS (4) 10-TON & (1) 50 TON

# DEADWEIGHT SCALE

DEADWT IN TONS S.W.	DRAFT TO BOTTOM OF KEEL	DISPLT. IN TONS S.W.	TONS PER INCH IMMERSION	MOMENT TO CHANGE TRIM 1" FT. TONS	ADDITION FOR BY STER TONS
		23000			32
13000	29				31
		22000	77		30
12000	28			2300	29
		21000			28
11000	27		76		27
		20000			26
10000	26				25
		19000	75	2200	24
9000	25				23
		18000			22
8000	24		74		21
		17000		2100	20
7000	23				19
		16000	73		18
6000	22				17
		15000		2000	16
5000	21		72		15
		14000			14
4000	20		71		13
		13000		1900	12
3000	19		70		11
		12000			10
2000	18		69		9
		11000		1800	8
1000	17		68		7
		10000			6
0	16				5
				1700	4
	15				3
					2
	14				1
					0

SCANTLING DRAFT 30-1 $\frac{1}{2}$   
DISPLACEMENT 23515 TONS  
DEADWEIGHT 13839 TONS

WEIGHT OF LIGHT SHIP GIVEN ON  
THIS PLAN INCLUDES FIXED BALLAST  
AND NATIONAL DEFENSE FEATURES.  
ESTIMATED WEIGHT OF  
FIXED BALLAST NONE TONS  
ESTIMATED WEIGHT OF  
NAT. DEFENSE FEATURES 343.7 TONS

# CAPACITY PLAN

BAS.	9502	679	U.S.S. ADMIRAL W.L. CAPPS	A.P. 121
YARD	HULL NO	M.C. NO	NAME	U.S.N. NO
DESIGN P2-5E2-R1			U.S. MARITIME COMMISSION	

SCALE  $\frac{1}{16}'' = 1 \text{ FOOT}$  DATE SEPT. 8 1943  
DRAWN R.T.L. IN CHARGE E.P. Thayer  
TRACED R.T.L. APPROVED J.H.M.  
CHECKED APPROVED

BETHLEHEM STEEL CO.-SHIPBUILDING DIV.  
FORE RIVER YARD QUINCY, MASS.

DESIGN DEPT

JOB No. \_\_\_\_\_ PLAN No. 9502-11-20

APPROVED BY U.S. MARITIME COMMISSION, SUBJECT TO

APPROVED BY U.S. MARITIME COMMISSION, SUBJECT TO  
ADDITION OF DEADWEIGHT SCALE, TONNAGE FIGURES, ETC.,  
WHEN AVAILABLE, IN THEIR LETTER DATED 16 SEPT. 1943.  
USMCN:679529-111R

## CONVERSION TABLE

ONE BARREL = 42 GALLONS	
6.63 BARRELS = 1 TON	FUEL OIL
35 CU. FT. = 1 TON	SALT WATER
36 CU. FT. = 1 TON	FRESH WATER
314 GAL. = 7.476 BBL5-1 TON	DIESEL OIL
37.23 CU. FT. = 278.5 GAL. = 1 TON	FUEL OIL

LIGHT SHIP: 9676 TONS  
MEAN DRAFT 14-5 1/2'  
V.C.G. 34.05' ABOVE B.L.  
L.C.G. 6.81' AFT STA. 10

BETHLEHEM STEEL COMPANY  
SHIPBUILDING DIVISION  
FORE RIVER YARD  
QUINCY, MASS.